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IN THE CLAIMS

Please cancel claims 44, 45, 46, 50, and 51.

Please amend claims 3, 4, 11, 12, 13, 14, 17, 18, 19, 20, 22, 23, 30, 31, 32, 33, 36, 40, 41, 42, 43, 47, 48, and 49 as follows:

C1 3. (Twice Amended) The maize plant of claim 2, wherein said plant has been detasseled.

C2 4. (Amended) A tissue culture of regenerable cells or protoplasts from the plant of claim 2.

C3 11. (Amended) The maize plant, or parts thereof, of claim 2, wherein the plant or parts thereof have been transformed so that its genetic material contains one or more transgenes that confer a qualitative trait.

12. (Amended) A method for producing a maize plant that contains in its genetic material one or more transgenes, comprising crossing the maize plant of claim 11 with a second plant.

13. (Amended) The maize plant, or parts thereof, produced by the method of claim 12.

C4 14. (Twice Amended) A maize plant, or parts thereof, wherein at least one ancestor of said maize plant is the maize plant of claim 2, said maize plant expressing a combination of at least two traits which are not significantly different from PH54H when determined at a 5% significance level and when grown in the same environmental conditions, said traits selected from the group consisting of: a maturity of 95 based on the Comparative Relative Maturity Rating System for

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harvest moisture of grain, resistance to root lodging, pollen shed, yield, grain dry down, brittle stalk resistance, and plant height.

17. (Amended) The PH54H-progeny maize plant, or parts thereof, produced by the method of claim 15, wherein the method comprises 2 or less crosses to a plant other than PH54H or a plant that has PH54H as a parent.

18. (Amended) The maize plant, or parts thereof, of claim 2, further comprising one or more genes that confer a qualitative trait and have been transferred into said maize plant through breeding methods that utilize PH54H as a recurrent parent.

19. (Amended) The maize plant of claim 18, wherein at least one of the genes is a dominant allele.

20. (Amended) The maize plant of claim 18, wherein at least one of the genes is a recessive allele.

22. (Twice Amended) The maize plant of claim 2, wherein genes controlling male sterility have been transferred into said maize plant through crossing that utilizes PH54H as a recurrent parent and wherein said plant has essentially the same morphology and physiology of inbred line PH54H other than the trait of male sterility.

23. (Amended) A tissue culture of regenerable cells or protoplasts from the plant of claim 21.

30. (Amended) The maize plant, or parts thereof, of claim 21, wherein the plant or parts thereof, contains one or more transgenes and wherein the morphology and physiology of the maize plant comprising the transgene is substantially the same as the inbred maize line PH54H.

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C8
cont.

31. (Amended) A method for producing a first generation (F1) maize plant that contains in its genetic material one or more transgenes, comprising crossing the maize plant of claim 30 with a second plant.

32. (Amended) The first generation (F1) maize plant, or parts thereof, produced by the method of claim 31.

C9

33. (Twice Amended) A PH54H-progeny maize plant, or parts thereof, wherein at least one ancestor of said maize plant is the maize plant of claim 2, said maize plant and wherein the pedigree of said PH54H-progeny maize plant is within 2 or less crosses to a plant other than PH54H or a plant that has PH54H as a parent.

C10

36. (Amended) A PH54H-progeny maize plant, or parts thereof, produced by the method of claim 34 and wherein the method comprises no more than 1 cross to a plant other than PH54H or a plant that has PH54H as a parent.

C11

40. (Twice Amended) A method for producing a first generation (F1) PH54H-progeny maize plant, comprising:

- (a) crossing inbred maize line PH54H, representative seed of said line having been deposited under ATCC Accession No. PTA-4259, with a second maize plant to yield progeny maize seed;
- (b) growing said progeny maize seed, under plant growth conditions, to yield said first generation (F1) PH54H-progeny maize plant.

C12

41. (Thrice Amended) The first generation (F1) PH54H-progeny maize plant, or parts thereof, produced by the method of claim 40.

C13

42. (Twice Amended) A method for producing a PH54H progeny inbred maize plant, comprising generating the first generation (F1) PH54H-progeny maize

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✓ 13
cont
plant by the method of claim 40 and further comprising: selfing said first generation (F1) PH54H-progeny maize plant for successive filial generations to generate a PH54H inbred progeny maize plant.

Q 14 43. (Twice Amended) The PH54H progeny inbred maize plant, or parts thereof, produced by the method of claim 42.

Q 15 47. (Amended) The maize plant, or parts thereof, of claim 21, further comprising one or more genes that have been transferred into said maize plant by utilizing PH54H as a recurrent parent and wherein the maize plant, or parts thereof, are essentially unchanged from inbred maize line PH54H.

48. (Amended) The maize plant of claim 47, wherein at least one of the genes is a dominant allele.

49. (Amended) The maize plant of claim 47, wherein at least one of the genes is a recessive allele.
